SULFIDE ION IN WATER by ASTM D4658-09

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Was samples preserved by adding 4 drops of ZnAcetate and 2 drops NaOH per 100 mL and NO headspace?	8.2				
Was the NaS stock standard purchased or prepared from a saturated solution that had been standardized?	10.2				
Were 4 calibration standards prepared fresh each day?	9.1				
Are a Sulfide Ion Selective Electrode and a Double-Junction Reference Electrode used on a expanded mV scale pH meter or on a specific ion meter?	6.2-6.3				
Was calibration curve plated as log of concentration against mV reading?	9.3				
Was R^2 of standard curve at least 0.990.	13.2.1				
Was an equal amount of sample added to anti-oxidant buffer and allowed to stand for 3 to 5 min with stirring?	11.1				
Between samples, were the electrodes rinsed, blotted, and immersed in 50% anti-oxidant buffer blank and then blot dry before next sample analyzed?	11.1				
Was a mid-range check standard within +/- 15%	13.2.2				
Was an LCS analyzed at a 10% frequency with a +/- 15 % acceptance criteria?	13.4.1				
Was the Reagent Water Blank less than 0.5 times the lowest standard?	13.5.1				
Is a Matrix Spike analyzed that is 2 to 5 X the sample or 10 to 50 X the MDL and +/- 20% per ASTM D5810?	13.6.2				
Is a duplicate analyzed per batch (if the sample concentration is < 5 times the MDL, MSD SHOULD be used) and accepted per F-Test?	13.7.1				
Notes/Comments:					